



MASURATOAREA OTELULUI BETON NECESAR PENTRU ARMAREA RADIERULUI

Marca	Diametrul	Bucati / assemblage	Lungimi Totale					
			OB 37	PC 52		S 335		
Partiale	S 255	S 355	S 345	S 335				
	$\phi 12$	$\phi 12$	$\phi 16$	$\phi 20$	$\phi 25$	$\phi 32$		
1	32	18	8.55					
1a	25	36	8.15			293.40		
2	25	32	8.10			259.20		
3	25	27	2.25			60.75		
4	25	36	11.65			419.40		
5	25	18	11.60			208.80		
6	25	36	2.25			81.00		
7	16	56	9.45		529.20			
8	16	92	7.45		685.40			
9	16	30	9.10		273.00			
10	16	30	5.60		168.00			
11	16	150	1.80		270.00			
12	12	6	26.00	156.00				
13	20	50	8.45		422.50			
14	32	72	6.45			464.40		
15	12	10	3.90	39.00				
16	12	10	8.00	80.00				
Lungimi pe diametru			156.00	156.00	1925.60	422.50	1322.55	618.30
Greutate pe ml.			0.888	0.888	1.578	2.470	3.853	6.313
Greutate pe diam.			139	139.00	3039	1044	5096	3903
Total pe calitate			139		13221		267	
TOTAL					13360		267	
Sudura 2%(kg)					668			
Pierderi 5%(kg)					668			
GREUTATE TOTALA(kg)					14500			

PENTRU 2 LINII x 35 RADIERE: 2X35x14500 kg =1015000 kg

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PROIECT FINANATAT DE UNIUNEA EUROPEANA
EUROPEAN UNION FINANCED PROJECT

CFR
C.N.C.F. "C.F.R." - S.A.

CLIENT / CLIENT

ITALFERR GRUPPO FERROVIE DELLO STATO
Scot Wilson
OBERMEYER PLANEN + BERATEN GmbH
TECNIC Consulting Engineers

CONSULTANT / CONSULTANT

Approbat / Approved	Data / Date	Semnat / Signed
Self project / Project manager	R. Liuzza	03.2012
Coordinator Section 1	C. Gambelli	03.2012
Expert Check / Expert Check	V. Kallidromitis	03.2012

SUBCONTRACTANT / SUBCONTRACTOR

Approbat / Approved	Data / Date	Semnat / Signed
Responsabil Subcontractant / Subcontractant Responsible	A.Stanciu - Dinulescu	03.2012
Projectant / Designer	Maria Campen	03.2012

Reabilitarea liniei de cale ferata Brasov - Simeria, parte component a a coridorului IV Pan European, pentru circulaia trenurilor cu viteza maximă de 160 km/h, Tronsonul : Brasov - Sighisoara
Rehabilitation of the railway line Brasov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h, Section : Brasov - Sighisoara

Proiect/Project
 2004/RO/16/PPA/003

Faza / Phase:
 D.E. / E.D.

Denumire desen / Drawing Title : INTERVAL/ SECTION APATA-RACOS
Viaduct km. 212+287.73 D=36.00x30.00m

Plan armare radier
Plan for raft reinforcement

Codificare / Codification System	Scara / Scale	LOT / LOT	Nr. / No
E A 5 1 0 1 E 1 0 B C P V 0 1 9 2 0 1 2 0	1:20		01 / 01

NOTA

- Prezentul plan s-a intocmit in conformitate cu planul de cofraj EA5101E10BBPV01920051, EA5101E10BBPV01920061.
- Armarea coloanelor este cuprinsa in planul EA5101E10BCPV01920100.
- Betonul din radier se va turna prin pompare.
- La punerea in opera a betonului turnat prin pompare se vor lua toate masurile:
 - procesul de pompare sa se desfasoare continuu fara intreruperi;
 - turnarea sa se faca in 3(trei) puncte si sa dureze max 6 ore;
 - inaltimea libera de cadere a betonului sa fie de max 0,5m;
 - betonul se va turna in straturi de max. 40cm grosime, pentru a permite o buna vibrare.
 - betonul sa fie bine compactat prin vibrare.

NOTE:

- This drawing was drawn up according to the shuttering plan EA5101E10BBPV02190051, EA5101E10BBPV01920061.
- The column reinforcing can be found in drawing EA5101E10BCPV01920100.
- The concrete in the raft will be cast by pumping.
- During pumped concrete placement, all measures will be taken so that:
 - the pumping process will be continuous, without any interruption;
 - the concrete will be cast in 3 (three) points and will last max. 6 hours;
 - the free falling height of concrete will be max. 0.5m;
 - the concrete will be cast in max. 40 cm thick layers to allow good vibration;
 - the concrete will be well-compacted by vibration.